

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (Canceled).

Claim 11 (previously presented): A method for interworking protocols to provide a performance feature in a communication network, comprising:

providing a first protocol that controls a first subscriber;

providing a second protocol that controls a second subscriber;

disconnecting an established data channel between the first subscriber and the second subscriber by deactivating a transmitter for the second subscriber;

receiving a notification of a call progress for the performance feature in accordance to the first protocol; and

interworking the notification into the second protocol depending on a “held” status of the second subscriber.

Claim 12 (previously presented): The method according to claim 11,

wherein the performance feature is a large conference feature in accordance to the International Telecommunications Union (ITU) standard

Q.734.1 or a small conference feature in accordance to the ITU standard Q.734.2, and

wherein the disconnect according to the first protocol is produced by interrupting the established data channel in a central transmission mode.

Claim 13 (previously presented): The method according to claim 12, wherein the deactivation occurs when a third subscriber is added to the conference or at least one of the first subscriber, the second subscriber, and the third subscriber is isolated from the conference.

Claim 14 (previously presented): The method according to claim 13, wherein interworking occurs when the transmitter is deactivated.

Claim 15 (previously presented): The method according to claim 28, wherein an ISUP CPG notification with a generic notification parameter "Isolated" is mapped into a SIP message with a deactivate attribute line, and wherein an ISUP CPG notification with a generic notification parameter "Reattached" is mapped into a SIP message with an activate attribute line or without an attribute line.

Claim 16 (previously presented): The method according to claim 28, wherein the SIP message is an "INVITE" when a call state is in an answered state, and

wherein the SIP message is an "UPDATE" if the call state is in a "before answer" state.

Claim 17 (previously presented): The method according to claim 28, wherein interworking occurs after a SIP message with a deactivate attribute line or no attribute line has been sent.

Claim 18 (canceled).

Claim 19 (previously presented): A media gateway controller for an interworking of protocols for a conference feature within a communication network, comprising

- an ISUP protocol message for controlling a first subscriber;

- a SIP protocol message for controlling a second subscriber;

- a protocol converter from the ISUP protocol message to the SIP protocol message, and

- a status of a transmitter for the second subscriber;

wherein the status is active or deactive, and wherein when the ISUP protocol message is a call progress notification with "Conference established" or "Conference disconnected" and the status is deactive, the SIP protocol message created by the converter indicates to activate the transmitter,

wherein when the ISUP protocol message is a call progress notification with "Isolated" the SIP protocol message created by the converter includes a deactivate attribute of "a=sendonly" or "a=inactive", and

wherein the status is deactive after a prior ISUP message is converted to a prior SIP message having a deactivate attribute of "a=inactive" or "a=sendonly" or to a SIP invite (0.0.0.0) message or the prior SIP message does not have "a=recvonly" or "a=sendrecv".

Claim 20 to 22 (canceled).

Claim 23 (previously presented): The controller according to claim 19, wherein the status is deactive after a prior ISUP message is converted to a prior SIP message having a deactivate attribute of "a=inactive" or "a=sendonly" or the prior SIP message does not include an activate attribute.

Claim 24 (previously presented): The controller according to claim 19, wherein when the ISUP protocol message is a call progress notification with "Reattached" the SIP protocol message created by the converter includes an activate attribute.

Claim 25 (currently amended): A computer readable medium operable to execute the following on a processor for interworking protocols to provide a conference feature in a communication network, comprising:

deactivating a transmitter for an established data channel between a first subscriber and a second subscriber when adding a third subscriber to the conference or isolating the third subscriber from the conference,

wherein a first protocol controls the first subscriber, and

wherein a second protocol controls the second subscriber;

receiving a notification of a call progress for the conference feature in accordance to the first protocol;

mapping the notification into a message in accordance to the second protocol; and

sending the message in accordance to the second protocol to the second subscriber,

wherein the first protocol is ISUP and the second protocol is SIP,

wherein an attribute line is selected from the group consisting of: “a=sendonly”, “a=recvonly”, “a=sendrecv”, and “a=inactive”,

wherein ~~an~~ a deactivate attribute line is “a=sendonly” or “a=inactive”,

wherein an activate attribute line is “a=sendrecv” or “a=recvonly”,

wherein an ISUP call progress (CPG) notification with a generic notification parameter “Conference established” is mapped into a SIP message with an activate attribute line or without an attribute line if a prior SIP message having a deactivate attribute line or a SIP invite(0.0.0.0) message has been sent,

wherein an ISUP CPG notification with a generic notification parameter “Conference disconnected” is mapped into a SIP message with an activate attribute line or without an attribute line if a prior SIP message having a deactivate attribute line has been sent,

wherein an ISUP CPG notification with a generic notification parameter “Isolated” is mapped into a SIP message with a deactivate attribute line, and

wherein an ISUP CPG notification with a generic notification parameter "Reattached" is mapped into a SIP message with an activate attribute line or without an attribute line.

Claim 26 (canceled).

Claim 27 (previously presented): The computer readable medium according to claim 25,

wherein the SIP message is an "INVITE" when a call state is in an answered state, and

wherein the SIP message is an "UPDATE" if the call state is in a "before answer" state.

Claim 28 (previously presented): A method for interworking protocols to provide a performance feature in a communication network, the method comprising:

providing a first protocol that controls a first subscriber;

providing a second protocol that controls a second subscriber;

disconnecting an established data channel between the first subscriber and the second subscriber by deactivating a transmitter for the second subscriber;

receiving a notification of a call progress for the performance feature in accordance to the first protocol; and

interworking the notification into the second protocol

wherein the performance feature is a large conference feature in accordance to the International Telecommunications Union (ITU) standard Q.734.1 or a small conference feature in accordance to the ITU standard Q.734.2,

wherein the disconnect according to the first protocol is produced by interrupting the established data channel in a central transmission mode,

wherein the deactivation occurs when a third subscriber is added to the conference or the subscriber is isolated from the conference,

wherein interworking occurs when the transmitter is deactivated ,

wherein the first protocol is ISUP and the second protocol is SIP,

wherein an attribute line is selected from the group consisting of: "a=sendonly", "a=recvonly", "a=sendrecv", and "a=inactive",

wherein an deactivate attribute line is "a=sendonly" or "a=inactive",
wherein an activate attribute line is "a=sendrecv" or "a=recvonly",

wherein an ISUP call progress (CPG) notification with a generic notification parameter "Conference established" is mapped into a SIP message with an activate attribute line or without an attribute line if a prior SIP message having a deactivate attribute line or an SIP invite(0.0.0.0) message has been sent, and

wherein an ISUP CPG notification with a generic notification parameter "Conference disconnected" is mapped into a SIP message with an activate attribute line or without an attribute line if a prior SIP message having a deactivate attribute line has been sent.

Claim 29 (previously presented): The method according to claim 15, wherein interworking occurs after a SIP message with a deactivate attribute line or no attribute line has been sent.

Claim 30 (previously presented): The method according to claim 16, wherein interworking occurs after a SIP message with a deactivate attribute line or no attribute line has been sent.

Claim 31 (currently amended): The controller according to claim 23, wherein when the ISUP protocol message is a call progress notification with "Reattached" the SIP protocol message created by the converter includes a an activate attribute.

Claim 32 (previously presented): The controller according to claim 19, wherein the SIP message is an INVITE and includes an activate attribute of "a=sendrecv" or "a=recvonly" or

wherein the SIP message is an UPDATE and includes an activate attribute of "a=sendrecv" or "a=recvonly".